



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 140578

To: Devesh Khare
Location: rem/5c35/5c18
Art Unit: 1623
Tuesday, January 04, 2005

Case Serial Number: 10/676782

From: Beverly Shears
Location: Remsen Bldg.
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Search Notes

Access DB# 140578

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's full Name: Devesh Khare Examiner #: 77931 Date: 12/16/2004
Art Unit: 1623 Phone Number 272-0653 Serial Number: 10/676,782
Mail Box: Remsen 5C18 and Bldg/Room Location: 5C35 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Mg'

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be search. Include the elected species or structures, key words, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: See Bib Data Sheet on e-

dan.

Inventors (please provide full names): See Bib Data Sheet on e-

dan.

Earliest priority Filing Date: 6/06/2000

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Please carry out a structure search on the attached claim sheet :

Thank you.

STAFF USE ONLY

Searcher: _____
Searcher Phone #: _____
Searcher Location: _____
Date Searcher Picked Up: _____
Date Completed: _____
Searcher Prep & Review Time: _____
Clerical prep time: _____
Online Time: _____

PTO-1590 (1-2000)

Type of Search

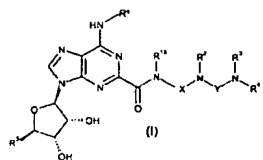
NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
Bibliographic _____
Litigation _____
Fulltext _____
Patent Family _____
Other _____

Vendors and cost where applicable

STN _____
Dialog _____
Questel/Orbit _____
Dr. Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet _____
Other (specify) _____

10/676.782

1 A compound of the formula:



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or a pharmaceutically acceptable salt or solvate thereof, wherein

R¹ is H, C₁-C₆ alkyl or fluorenyl, said C₁-C₆ alkyl being optionally substituted by 1 or 2 substituents each independently selected from phenyl and naphthyl, said phenyl and naphthyl being optionally substituted by C₁-C₆ alkyl, C₁-C₆ alkoxy, halo or cyano;

(A) R² is H or C₁-C₆ alkyl, R¹³ is H or C₁-C₆ alkyl, and X is either (i) unbranched C₂-C₃ alkylene optionally substituted by C₁-C₆ alkyl or C₃-C₈ cycloalkyl, or (ii) a group of the formula:



where W is C₅-C₇ cycloalkylene optionally substituted by C₁-C₆ alkyl, n is 0 or 1 and p is 0 or 1, or

(B) R¹³ is H or C₁-C₆ alkyl, and R² and X, taken together with the nitrogen atom to which they are attached, represent azetidin-3-yl, pyrrolidin-3-yl, piperidin-3-yl, piperidin-4-yl, homopiperidin-3-yl or homopiperidin-4-yl, each being optionally substituted by C₁-C₆ alkyl, or

(C) R² is H or C₁-C₆ alkyl, and R¹³ and X, taken together with the nitrogen atom to which they are attached, represent azetidin-3-yl, pyrrolidin-3-yl, piperidin-3-yl, piperidin-4-yl, homopiperidin-3-yl or homopiperidin-4-yl, each being optionally substituted by C₁-C₆ alkyl;

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either, R³ and R⁴, taken together with the nitrogen atom to which they are attached, represent azetidiny, pyrrolidiny, piperidiny, piperaziny, homopiperidiny or homopiperaziny, each being optionally substituted on a ring nitrogen or carbon atom by C₁-C₆ alkyl or C₃-C₈ cycloalkyl and optionally substituted on a ring carbon atom not adjacent to a ring nitrogen atom by -NR⁵R⁶,

or, R³ is H, C₁-C₆ alkyl, C₃-C₈ cycloalkyl or benzyl and R⁴ is (a) azetidin-3-yl, pyrrolidin-3-yl, piperidin-3-yl, piperidin-4-yl, homopiperidin-3-yl or homopiperidin-4-yl, each being optionally substituted by C₁-C₆ alkyl, C₃-C₈ cycloalkyl, phenyl, benzyl or het, or (b) -(C₂-C₆ alkylene)-R⁵, (c) -(C₁-C₆ alkylene)-R¹³, or (d) C₁-C₆ alkyl or C₃-C₈ cycloalkyl;

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R⁵ is CH₂OH or CONR¹⁴R¹⁴;

R⁶ and R⁷ are either each independently H or C₁-C₆ alkyl or, taken together with the nitrogen atom to which they are attached, represent azetidiny, pyrrolidiny or piperidiny, said azetidiny, pyrrolidiny and piperidiny being optionally substituted by C₁-C₆ alkyl;

R⁸ is (i) azetidin-1-yl, pyrrolidin-1-yl, piperidin-1-yl, morpholin-4-yl, piperazin-1-yl, homopiperidin-1-yl, homopiperazin-1-yl or tetrahydroisoquinolin-1-yl, each being optionally substituted on a ring carbon atom by C₁-C₆ alkyl, C₃-C₈ cycloalkyl, phenyl, C₁-C₆ alkoxy-(C₁-C₆)-alkyl, R⁹R¹⁰N-(C₁-C₆)-alkyl, fluoro-(C₁-C₆)-alkyl, -CONR⁹R⁹, -COOR⁹ or C₂-C₈ alkanoyl, and optionally substituted on a

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